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United States Patent [19]

Miles

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[54] VIDEO IMAGE CREATION SYSTEMS
COMBINING OVERLAPPING STAMPS IN A
FRAME PERIOD BEFORE MODIFYING
THE IMAGE

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Related U.S. Application Data

[63] Continuation of Ser. No. 680,774, Apr. 2, 1991, abandoned, which is a continuation of Ser. No. 471,026, Jan. 26, 1990, abandoned, which is a continuation of Ser. No. 396,812, Aug. 21, 1989, abandoned, which is a continuation of Ser. No. 273,652, Nov. 18, 1988, abandoned, which is a continuation of Ser. No. 206,992, Jun. 8, 1988, abandoned, which is a continuation of Ser. No. 851,110, Apr. 14, 1986, abandoned.

[30] Foreign Application Priority Data

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340/723; 395/100

[58] Field of Search 358/183, 27, 160, 166;
364/521, 522, 523; 340/723

[56] References Cited

U.S. PATENT DOCUMENTS

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[57] ABSTRACT

A system for creating video images by 'drawing' on a touch tablet with a stylus. Addresses designated by the stylus are translated by a computer (16) into addresses in a frame delay store (13). The operator may choose an artists implement, the effect of which is simulated in the image by brush stamp signals representing the distribution power of the implement. Brush stamp signals are provided for a patch of signals round a designated address. During a frame period the brush stamp signals are processed to produce signals representing the effect of overlapping brush stamps for a portion of a line drawn in that period. The store is a frame delay store where the stored signals are continuously recycled. During a cycle of the store signals corresponding to the addresses covered by the brush stamps are sequentially up-dated by combining with incoming video signals in proportions determined by the brush signals. This produces the effect on a screen of a line drawn with the chosen implement.

19 Claims, 15 Drawing Sheets

